

# COPY

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP97/00254

### A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl<sup>6</sup> A61M1/36, 545, 1/36, 547, 1/36, 540

According to International Patent Classification (IPC) or to both national classification and IPC

### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int. Cl<sup>6</sup> A61M1/36-1/36, 555, B01J20/22

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1926 - 1997
Kokai Jitsuyo Shinan Koho	1971 - 1997
Toroku Jitsuyo Shinan Koho	1994 - 1997

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP, 06-312134, A (Kaneka Corp.), November 8, 1994 (08. 11. 94), Claim; page 3, column 4, lines 23 to 48; page 4, column 5, lines 14 to 50; column 6, lines 20 to 30; page 5, column 7, lines 17 to 28; example 1; Table 1; Fig. 1 (Family: none)	1 - 29
X	JP, 63-99875, A (Kaneka Corp.), May 2, 1988 (02. 05. 88), Claim; page 3, upper right column, line 8 to page 4, lower right column, line 17; page 5, upper right column, lines 15 to 19; example 1; Table 1 & US, 4721730, A & EP, 247592, B1 & DE, 3776967, C0	1 - 29
X	JP, 63-77457, A (Kaneka Corp.), April 7, 1988 (07. 04. 88), Claim; page 3, upper left column, line 20 to lower left column, line 15; page 3, lower right column, line 8 to page 4, lower right column, line 9; example 1; Table 1 & US, 4721730, A	1 - 29

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search  
April 28, 1997 (28. 04. 97)

Date of mailing of the international search report  
May 13, 1997 (13. 05. 97)

Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP97/00254

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	& EP, 247592, B1 & DE, 3776967, C0	
Y	JP, 05-170799, A (Toray Industries, Inc.), July 9, 1993 (09. 07. 93), Claim; page 2, column 2, line 28 to page 3, column 3, line 22 (Family: none)	8, 10, 22, 26
Y	JP, 56-128717, A (Asahi Chemical Industry Co., Ltd.), October 8, 1981 (08. 10. 81), Claim; page 2, upper right column, line 9 to lower right column, line 9; page 3, lower right column, lines 1 to 20; Fig. 2 & US, 4476023, A & GB, 2077137, B2 & DE, 3109493, C2	23, 29
Y	WO, 87/01597, A (Toray Industries, Inc.), March 26, 1987 (26. 03. 87), Claim; page 3, upper right column, line 18 to lower right column, line 3; Fig. 1 & US, 4770774, A	27, 29